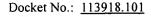
PATENT/OFFICIAL



DECLARATION AND POWER OF ATTORNE

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled HUMAN LIVER PROGENITORS, the specification of which

[] is attached hereto [X] was filed on <u>January 19, 2000</u> as Application Serial No. <u>09/487, 318</u> and was amended on <u>January 19, 2000</u> (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

Number Country Day/Mon

Day/Month/Year filed

Yes No

I hereby authorize the U. S. attorneys and agents named herein to accept and follow instructions from as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U. S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U. S. attorney(s) will be so notified by the undersigned.

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below.

Prior Provisional Application(s):

Application Number

Filing Date

60/116,331

January 19, 1999

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or Section 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U. S. Application(s):

Serial No.

Filing Date

Status: Patented, Pending, Abandoned





I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) and/or agent(s): Gilberto M. Villacorta, Reg. No. 34,038; Gianna Julian-Arnold, Reg. No. 36,358; Mark Lee Hogge, Reg. No. 31,622; Corinne Pouliquen, Reg. No. 35,753, Elizabeth Stanley, Reg. No. 44,438; Chris Kay, Reg. No. 44,820; and Thor Nielsen, Reg. No. P45,428, all of

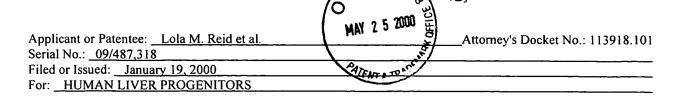
PEPPER HAMILTON LLP 600 Fourteenth Street, N.W. Washington, D.C. 20005-2004





with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and all future correspondence should be addressed to them.

Full name of sole or first inventor: Lola M. Reid	
Inventor's signature: Lola M. Reid May 16, 2000	Date:
Residence: 3621 Sweeten Creek, Chapel Hill, North Carolina 27514	
Citizenship: U.S.A.	
Post Office Address: SAME AS ABOVE	
• ;	
Full name of sole or first inventor. Nickolas Moss	
Inventor's signature:	Date: 5/16/00
Residence: 104 Quail Roost Drive, Carrboro, North Carolina 27510	• •
Citizenship: U.S.A.	
Post Office Address: SAME AS ABOVE	
Full name of sole or first inventor: Hiroshi Kubota	
Inventor's signature: Kuluttas, May 16 /2000	Date:
Residence: 273 Summerwalk Circle, Chapel Hill, North Carolina 27514-8668	
Citizenship: U.S.A.	
Post Office Address: SAME AS ABOVE	



VEF		EMENT (DECLARATIO FR 1.9(f) and 1.27(d)) - N		SMALL ENTITY STATUS GANIZATION
I hereby declare	that I am an o	fficial empowered to act on	behalf of the non	profit organization identified below:
	ORGANIZA?	University of North Caroli FION: Office of Technolog		Campus Box 4105, 308 Bynum Hall,
TYPE OF ORGA [X] [] []	UNIVERSIT TAX EXEM NONPROFI UNITED ST (Name of Sta (Citation of Sta	T SCIENTIFIC OR EDUC ATES OF AMERICA te:	VENUE SERVIC CATIONAL UN	DECODE (26 USC 501(a) AND 501(c)(3)) DER STATUTE OF STATE OF THE
0	USC 501(a) WOULD QU STATE OF TAMERICA	and 501(c)(3)) IF LOCATE ALIFY AS NONPROFIT S	D IN THE UNIT CIENTIFIC OR E AMERICA IF LO	RNAL REVENUE SERVICE CODE (26 ED STATES OF AMERICA EDUCATIONAL UNDER STATUTE OF OCATED IN THE UNITED STATES OF
CFR 1.9(e) for p	urposes of pay			s a nonprofit organization as defined in 37 of Title 35, United States Code with regard
[] [X] []		ion filed herewith erial No. 09/487,318, filed issued.	January 19, 2000.	
I hereby declare regard to the abo			conveyed to and r	emain with the nonprofit organization with
to the invention i not qualify as a business concern	s listed below* small business under 37 CFR quired from ea	and no rights to the invention concern under 37 CFR 1.5 (1.9(d) or by a nonprofit orgon ch named person, concern or	on are held by any P(d) or by any co anization under 3	dual, concern or organization having rights person, other than the inventor, who could neern which would not qualify as a small 7 CFR 1.9(e). *NOTE: Separate verified ring rights to the invention averring to their
				
ADDRESS [] INDIVIDU	JAL	[] SMALL BUSINESS CO	NCERN	[] NONPROFIT ORGANIZATION
NAMEADDRESS		DAME DIVERSITE CONTROL	John V.	
[] INDIVIDU	JAL	[] SMALL BUSINESS CO	NCERN	[] NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERS	SON SIGNING: <u>Dr.</u>	Francis J. Meyer	i		
TITLE IN ORGA	ANIZATION: Direct	or, Office of Tec	bnology Develop	nent.	
ADDRESS OF P	ERSON SIGNINGS	INC-CH 308 Borron	Hall (18/1 /1105		27599-4105
SIGNATURE: _	Froms)	t. men	<u> </u>		
DATE:			5/15	100	
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